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Patent Application
Attorney Docket No.: 57983.000013
Client Reference No.: 12898RO

ABSTRACT OF THE DISCLOSURE

A technique for an improved active queue management scheme which dynamically changes its threshold settings as the number of connections (and system load) changes is disclosed. Using this technique, network devices can effectively control packet losses and TCP timeouts while maintaining high link utilization. The technique also allows a network to support a larger number of connections during congestion periods.